

# Qinqinq Xia

## List of Publications by Year in descending order

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21  
papers

2,199  
citations

430754

18  
h-index

610775

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25  
docs citations

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times ranked

1708  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Cleavage of Lignin–Carbohydrate Complexes and Ultrafast Extraction of Lignin Oligomers from Wood Biomass by Microwave-Assisted Treatment with Deep Eutectic Solvent. <i>ChemSusChem</i> , 2017, 10, 1692-1700.	3.6	354
2	Multiple hydrogen bond coordination in three-constituent deep eutectic solvents enhances lignin fractionation from biomass. <i>Green Chemistry</i> , 2018, 20, 2711-2721.	4.6	323
3	A strong, biodegradable and recyclable lignocellulosic bioplastic. <i>Nature Sustainability</i> , 2021, 4, 627-635.	11.5	291
4	Efficient Cleavage of Strong Hydrogen Bonds in Cotton by Deep Eutectic Solvents and Facile Fabrication of Cellulose Nanocrystals in High Yields. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7623-7631.	3.2	161
5	Lightweight, strong, moldable wood via cell wall engineering as a sustainable structural material. <i>Science</i> , 2021, 374, 465-471.	6.0	137
6	Production of Nanocellulose Using Hydrated Deep Eutectic Solvent Combined with Ultrasonic Treatment. <i>ACS Omega</i> , 2019, 4, 8539-8547.	1.6	112
7	All-Natural, Degradable, Rolled-Up Straws Based on Cellulose Micro- and Nano-Hybrid Fibers. <i>Advanced Functional Materials</i> , 2020, 30, 1910417.	7.8	109
8	Solar-assisted fabrication of large-scale, patternable transparent wood. <i>Science Advances</i> , 2021, 7, .	4.7	107
9	Continuous Synthesis of Hollow High-Entropy Nanoparticles for Energy and Catalysis Applications. <i>Advanced Materials</i> , 2020, 32, e2002853.	11.1	93
10	In Situ Lignin Modification toward Photonic Wood. <i>Advanced Materials</i> , 2021, 33, e2001588.	11.1	86
11	Strong, Hydrostable, and Degradable Straws Based on Cellulose–Lignin Reinforced Composites. <i>Small</i> , 2021, 17, e2008011.	5.2	81
12	Scalable Wood Hydrogel Membrane with Nanoscale Channels. <i>ACS Nano</i> , 2021, 15, 11244-11252.	7.3	60
13	Lignin-Based Direct Ink Printed Structural Scaffolds. <i>Small</i> , 2020, 16, e1907212.	5.2	45
14	Tailored one-pot lignocellulose fractionation to maximize biorefinery toward versatile xylochemicals and nanomaterials. <i>Green Chemistry</i> , 2022, 24, 3257-3268.	4.6	43
15	Hierarchical Polyelemental Nanoparticles as Bifunctional Catalysts for Oxygen Evolution and Reduction Reactions. <i>Advanced Energy Materials</i> , 2020, 10, 2001119.	10.2	39
16	Room temperature dissolving cellulose with a metal salt hydrate-based deep eutectic solvent. <i>Carbohydrate Polymers</i> , 2021, 272, 118473.	5.1	37
17	Rapid, High-Temperature, In Situ Microwave Synthesis of Bulk Nanocatalysts. <i>Small</i> , 2019, 15, e1904881.	5.2	28
18	Fabrication of Cellulose–Graphite Foam via Ion Cross-linking and Ambient-Drying. <i>Nano Letters</i> , 2022, 22, 3931-3938.	4.5	21

#	ARTICLE	IF	CITATIONS
19	Wood/polyimide composite via a rapid substitution compositing method for extreme temperature conditions. <i>Composites Science and Technology</i> , 2021, 207, 108698.	3.8	19
20	Metal-free Boron/Phosphorus Co-doped Nanoporous Carbon for Highly Efficient Benzyl Alcohol Oxidation. <i>Advanced Science</i> , 2022, 9, e2200518.	5.6	16
21	High-loading, Well-dispersed Phosphorus Confined on Nanoporous Carbon Surfaces with Enhanced Catalytic Activity and Cyclic Stability. <i>Small Methods</i> , 2021, 5, e2100964.	4.6	9